Name _____   Class _____

Incoming 6th Grade Summer Assignment

Directions: Complete the following problems. Be sure to show all work and steps for each problem.
Credit will not be earned if work is not shown. Sample problems have been done for you to show what
is expected for each problem. Make sure your work is neat and organized!

Examples:	
(A.) $14\overline{)6875}$ $\boxed{491\ R.1}$ $\underline{-56}^{XX}$ 127 $\underline{-126}$ 15 $\underline{-14}$ 1	(B.) $2\frac{1\times7}{3\times7} + 4\frac{6\times3}{7\times3}$ $2\frac{7}{21} + 4\frac{18}{21}$ $\boxed{6\frac{25}{21} \text{ or } 7\frac{4}{21}}$ (C.) $7.8 - 2.46$ $7.\overset{7}{\cancel{8}}0$ $\underline{-2.46}$ $\boxed{5.34}$

1.) $954 \div 7$	2.) $1473 \div 13$

3.) $4278 \div 18$	4.) $17483 \div 35$

5.) $3062 \div 13$	6.) $\frac{1}{3} + \frac{3}{5}$

7.) $4\frac{3}{5} + 1\frac{2}{6}$	8.) $7\frac{2}{3} + 1\frac{5}{8}$
9.) $7\frac{1}{2} - 3\frac{5}{6}$	10.) $4\frac{5}{8} - 1\frac{3}{5}$
11.) $\frac{4}{5} \times 3$	12.) $\frac{3}{7} \times \frac{3}{13}$
13.) $3\frac{2}{9} \times 4$	14.) $\frac{6}{7} \times 2\frac{2}{14}$

15.) $3\frac{4}{7} \times 2\frac{1}{4}$	16.) $5.16 + 2.043$
17.) $98 + 8.01 + 0.62$	18.) $5.6 - 1.92$
19.) $76.8 - 21.49$	20.) $7.02 - 3.199$

21.) A water faucet is turned $2\frac{1}{7}$ to the right and then $1\frac{3}{4}$ to the right again. How far has the faucet turned?

A.) $3\frac{4}{11}$

B.) $3\frac{25}{28}$

C.) $2\frac{2}{3}$

D.) $3\frac{4}{28}$

22.) Gail has a rectangular rug with dimensions of 5 feet by $2\frac{3}{4}$ feet. What is the area of Gail's rug?

A.) $7\frac{3}{4}$

B.) $13\frac{3}{4}$

C.) $10\frac{3}{4}$

D.) $15\frac{1}{2}$

23.) At a football game, $\frac{8}{15}$ of the fans wore team shirts. Of those wearing team shirts, $\frac{1}{4}$ were also wearing team hats. What fraction of the fans wore both a team shirt and team hat?

A.) $\frac{2}{15}$

B.) $\frac{7}{11}$

C.) $\frac{9}{19}$

D.) $\frac{47}{60}$

24.) Calvin bought 6 pounds of fertilizer for his yard. He used $1\frac{2}{3}$ pounds for his backyard and $1\frac{7}{9}$ pounds for his front yard. How much fertilizer is left?

A.) $3\frac{4}{9}$ lbs

B.) $4\frac{5}{9}$ lbs

C.) $2\frac{5}{9}$ lbs

D.) $3\frac{5}{9}$ lbs

25.) If one book is 2.3 inches wide and another is 1.049 inches wide, how much wider is the first?

A.) 0.335 inches

B.) 3.349 inches

C.) 12.51 inches

D.) 1.251 inches

Extended Response

Directions: *Show all work for each extended response.*

Question 1: Diana works at a clothing store. She sold 1/5 of the total number of green shirts on Monday and 3/12 of the total number of green shirts on Tuesday.

Part A

What fraction of green shirts did Diana sell on Monday and Tuesday?

Answer _____

Part B

Diana sold 2/15 of the total number of green shirts on Wednesday. What is the difference in the fraction of the total number of green shirts that were sold on Tuesday and Wednesday?

Answer _____

Question 2: Fantine bought flour for her bakery each month and recorded the amount in the table to the right. For (a–c) write an expression that records the calculation described. Then solve to find the missing data in the table.

Month	Amount (in pounds)
January	3
February	2
March	$1\frac{1}{4}$
April	
May	$\frac{7}{6}$
June	
July	$2\frac{1}{4}$
August	
September	$\frac{14}{5}$
October	$\frac{3}{4}$

Part A: She bought 4/5 of January's total in August.

Answer _____

Part B: She bought 7/8 as much in April as she did in October and July combined.

Answer _____

Part C: In June she bought 3/5 pound less than six times as much as she bought in May.

Answer _____

Part D: How many pounds of flour did Fantine buy from January to October?

Answer _____